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# NOTICE OF ALLOWANCE AND FEE(S) DUE

03/09/2012 HAMRE, SCHUMANN, MUELLER & LARSON P.C. P.O. BOX 2902 MINNEAPOLIS, MN 55402-0902

**EXAMINER** BREVAL, ELMITO ART UNIT PAPER NUMBER

2889 DATE MAILED: 03/09/2012

APPLICATION NO.	APPLICATION NO. FILING DATE FIRST NAMED IN		NVENTOR ATTORNEY DOCKET NO.		
10/583,071	06/15/2006	Takayuki Takeuchi	10873.1909USWO	9144	

TITLE OF INVENTION: DISPLAY APPARATUS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1740	\$300	\$0	\$2040	06/11/2012

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:** 

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

## PART B - FEE(S) TRANSMITTAL

#### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents
P.O. Box 1450
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appropriate. All further	correspondence includir ed below or directed oth	ig the P	atent, advance or	ders and notification	of m	naintenance fees w	ill be i	mailed to the current	nould be completed where correspondence address a rate "FEE ADDRESS" fo
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HAMRE, SCHUMANN, MUELLER & LARSON P.C. P.O. BOX 2902 MINNEAPOLIS, MN 55402-0902					Certificate of Mailing or Transmission  I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.				
									(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE			FIRST NAMED INVEN	TOR		ATTO	RNEY DOCKET NO.	CONFIRMATION NO.
10/583,071	06/15/2006			Takayuki Takeucl	hi	•	10	873.1909USWO	9144
IITLE OF INVENTION	: DISPLAY APPARATO	US							
APPLN. TYPE	SMALL ENTITY	ISS	UE FEE DUE	PUBLICATION FEE I	OUE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO		\$1740	\$300		\$0		\$2040	06/11/2012
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BREVAL,	ELMITO		2889	313-303000					
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PTO/SB/47; Rev 03-0 Number is required.	ication (or "Fee Address') 2 or more recent) attache	ed. Use	of a Customer	2 registered attorney 2 registered patent listed, no name wi	t attor	gent) and the name neys or agents. If a printed.	es of up no nam	e is 3	
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PLEASE NOTE: Unl recordation as set fort	less an assignee is ident h in 37 CFR 3.11. Comp	ified bel oletion o	low, no assignee of this form is NO	data will appear on t Γa substitute for filin	the pa g an a	tent. If an assigne assignment.	ee is id	entified below, the do	ocument has been filed for
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	To small entity discount p	ermitte	d)		edit card. Form PTO-2038 is attached.				
'	of Copies		,	The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).					
5. Change in Entity Stat	tus (from status indicated	d above	)	overpayment, to	Бероз	at Account Numbe		(chelose at	r extra copy or tins form).
_	s SMALL ENTITY statu			☐ b. Applicant is no	o long	er claiming SMAL	L ENT	TITY status. See 37 CF	FR 1.27(g)(2).
NOTE: The Issue Fee and interest as shown by the i	d Publication Fee (if requeecords of the United Sta	uired) w	rill not be accepted	from anyone other t	han th	ne applicant; a regis	stered a	attorney or agent; or th	e assignee or other party ir
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ENTOR ATTORNEY DOCKET NO. CONFIRMAT		
10/583,071	06/15/2006	Takayuki Takeuchi	10873.1909USWO 9144		
53148 75	90 03/09/2012	EXAMINER			
HAMRE, SCHUL P.O. BOX 2902	MANN, MUELLER	BREVAL, ELMITO			
MINNEAPOLIS, MN 55402-0902			ART UNIT PAPER NUMBER		
			2889		

DATE MAILED: 03/09/2012

# Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 303 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 303 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

#### **Privacy Act Statement**

The Privacy Act of 1974 (P.L. 93-579) requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

- 1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
- 2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
- 3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
- 4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
- 5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
- 6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
- 7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
- 8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
- 9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

	Application No.	Applicant(s)	
	10/583,071	TAKELICHI ET AL	
Notice of Allowability	Examiner	TAKEUCHI ET AL.  Art Unit	
	ELMITO DDEVAL		
	ELMITO BREVAL	2889	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in or other appropriate commul GHTS. This application is so	this application. If not included nication will be mailed in due course	
1. This communication is responsive to 01/03/2012.			
<ol> <li>An election was made by the applicant in response to a rest the restriction requirement and election have been incorporate</li> </ol>		during the interview on;	
3. ☑ The allowed claim(s) is/are <u>1,5-8,10 and 11</u> .			
<ol> <li>Acknowledgment is made of a claim for foreign priority unde</li> <li>a)</li></ol>	er 35 U.S.C. § 119(a)-(d) or (	f).	
<ol> <li>Certified copies of the priority documents have</li> </ol>	e been received.		
2.   Certified copies of the priority documents have	been received in Application	n No	
<ol><li>Copies of the certified copies of the priority do</li></ol>	cuments have been received	in this national stage application fro	m the
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		a reply complying with the requirem	ents
<ol> <li>A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give</li> </ol>			OF
6. CORRECTED DRAWINGS ( as "replacement sheets") mus	t be submitted.		
(a) including changes required by the Notice of Draftspers	son's Patent Drawing Review	( PTO-948) attached	
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date			
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or	in the Office action of	
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			of
<ol> <li>DEPOSIT OF and/or INFORMATION about the deposit of E attached Examiner's comment regarding REQUIREMENT FO</li> </ol>			
Attachment(s)	- <b>-</b>	1D 1 14 " "	
1. Notice of References Cited (PTO-892)	<u>—</u>	ormal Patent Application	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)		mmary (PTO-413), Mail Date	
3. Information Disclosure Statements (PTO/SB/08),		Amendment/Comment	
Paper No./Mail Date <u>06/15/2006</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's	Statement of Reasons for Allowance	)
of Biological Material	9. 🔲 Other		
/Elmito Breval/			
Examiner, Art Unit 2889			
	1		

#### **DETAILED ACTION**

The amendment filed on 01/03/2012 has been entered.

## Allowable Subject Matter

Claims 1, 5-8, 10 and 11 are allowed.

The following is an examiner's statement of reasons for allowance:

Regarding claim 1, the prior art of record fails to teach or suggest a display apparatus in which a pixel is driven by using a thin film transistor unit including an organic semiconductor material, comprising: a substrate; a thin film transistor unit located above the substrate; a display element unit laminated on the thin film transistor unit; a pixel electrode formed on a substrate side of the display element unit and functioning as the pixel electrode of the display element unit and a drain electrode of the thin film transistor unit; a source electrode of the thin film transistor unit, which is formed so as to be opposed to the pixel electrode in a thickness direction; a conductive film formed outside of the display element and suppressing permeation of gas and moisture; and a source scanning line connected to the source electrode, wherein the thin film transistor unit comprises a semiconductor layer; the semiconductor layer includes the organic semiconductor material; the semiconductor layer is located between the pixel electrode and the source electrode; and when seen from the conductive film side, the pixel electrode has an area larger than that of the source electrode, and an edge of the

Art Unit: 2889

source electrode is located inside of the pixel electrode. Claims 5-8, 10 and 11 are allowed due to their dependency upon claim 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ELMITO BREVAL whose telephone number is (571)270-3099. The examiner can normally be reached on M-F (8:30 AM-5:00 Pm).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Toan Ton can be reached on (571)-272-2303. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/583,071 Page 4

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

March 6, 2012 /Elmito Breval/ Examiner, Art Unit 2889

/Karabi Guharay/ Primary Examiner, Art Unit 2889